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NLI M. 3580

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JPRS 11708

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JPRS 13533

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FTD-TT-63-35

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Windings of Certain D.C. Machines, by  $\pi$  I. Z.  
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MLL M 5037

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On the Class of Accuracy of Domestic Single Phase  
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Calculation of Electrical Characteristics of a Multi-Layer Dielectric Made From Impregnated Capacitor Paper, by D. S. Varshavskiy, 18 pp.

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NLL Ref. 9022.09 1963 (2,601)  
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NLL Ref: 9022.09 1963 (2,590)  
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Order from OTS, SLA, or ETC \$1.10 TT-63-23960

Trans. of Elektrichestvo (USSR) 1962, no. 1,  
p. 10-11. (Abstract available)

DESCRIPTORS: \*Hydroelectric power systems,  
Power, Networks, \*Distribution (Economics), \*Calculus  
of variations, \*Thermoelectricity.

Methods of variational calculus that are used to solve  
the problem of economic despatching of electric power,  
taking network losses into account, are presented.

(Engineering - Electrical, TT, v. 11, no. 1)

TT-63-23960

I. Markovich, I. M.  
II. Teitelbaum, V. N.  
III. CE Trans-2638  
IV. Central Electricity  
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Gr. Brit.)

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Order from OTS, SLA, or ETC \$1.10 TT-63-23961

Trans. of Elektrichstvo (USSR) 1962, no. 1,  
p. 12-15.

DESCRIPTORS: \*Generators, Electrical power produc-  
tion, Economics, Power, Consumption, Boilers, Steam  
power plants, Mathematical analysis.

(Engineering--Electrical, TT, v. 11, no. 2)

TT-63-23961

I. Smirnov, K. A.  
II. CE Trans-2639  
III. Central Electricity  
Generating Board  
(Gt. Brit.)

NULL(LAN)Ref:  
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Controllable D. C. Machines With Permanent Magnets  
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Technical Fundamentals for Working Out a New  
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Calculation of Economic MW and MVar Distribution in  
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Digital Computer Method for Optimization  
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Investigation of the Flashover Characteristics  
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THE GENERAL ALGORITHMS OF A COMPUTING AND  
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OPERATING MODES OF COMPLEX POWER SYSTEMS,  
BY V. S. SHAKHANOV, 44 PP.

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JPRS 14,461

SCI - ELECTRON

JUL 62

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(NY-6502)

ON THE EMPLOYMENT OF A COMPUTING MACHINE FOR THE  
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S. V. PAVERMAN, 12 PP.

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JPRS 14,464

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JPRS 15529

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MLL Ref: 5828.4 1963 (5864)  
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Some Questions of D.C. Machine Construction, by  
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MLL N 5149

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MLL M 5096

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A NEW STANDARD FOR RATED VOLTAGES, BY G. S. PLIS,  
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A. A. Krumin, et al, 6 pp.  
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FTD-TT-65-1228

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Characteristics of Asynchronous Synchronous  
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NEL M 5094

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TESTING THE STABILITY OF THE BOLZHSKAYA GES  
IMENI V. I. LENIN -- URALS ELECTRIC TRANSMISSION  
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JPRS L6265

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NOV 62

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Cheaper and Faster Construction of Power-Supply  
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RUSSIAN, per, Elektrichestvo, No 8, 1962, pp 2  
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NLL Ref. 9022.09 1963 (2,846)  
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THE STRUCTURE AND CERTAIN BASIC CHARACTERISTICS OF MODERN ELECTRICAL MEASURING DEVICES. [1963] 6 refs C. E. Trans. 2816.

Order from CTS, SLA, or ETC \$1.10 TT-63-24086

Trans. of Elektrichestvo (USSR) 1962, no. 3, p. 20-25.  
(Abstract available)

DESCRIPTORS: \*Meters, \*Measuring devices (Electrical and Electronic), Measurement, Input-output devices, Errors.

The measurement converter is the basic element of measuring instruments and apparatus. The converter is used to convert one form of data on the measured quantity (input value) to another form (output value), in order to obtain the required functional relationship (Engineering--Electrical, TT, v. 11, no. 4) (over)

TT-63-24086

- I. Shramkov, E. G.
- II. Novitskii, P. V.
- III. Fetisov, M. M.
- IV. Zorin, D. I.
- V. CE Trans-2816
- VI. Central Electricity  
Generating Board  
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Office of Technical Services



Electric Drives with Elastic Mechanical Links,  
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CIA/FDD XX-1321  
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Sci - Electricity  
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USID INTERNAL USE ONLY

Selecting the Value of the Current Density Under  
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Machines, by V. P. Tolkmov.

RUSSIAN, per, Elektrichestvo, No 8, 1962,  
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NLL Ref. 9022.03 1963 (3,247)  
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NLL/RTS 2344

Sci - Electron  
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RFSTI IT 63-23137

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Calculating the Comutation of D. C. Machines  
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NLL Ref. 9022.03 1963 (3,248)  
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Sci - Electron  
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THIRTY YEARS OF ELECTRIFICATION OF THE RAILROAD  
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JPRS 16265

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NOV 62

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Accounting for and Compensating the Effect  
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Field Flux in Electrical Machines, by  
O. V. Sleshmovskiy,

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The Cooling of Enclosed D.C. Machines, by  
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Sci - Electron  
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Apr 67

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Sci  
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The Problem of Electron Jet Engines and the  
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FTD-TT-63-298

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Problem of Transmission of Electrical  
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NLL 9022.03 1964 (3390) (On Loan)

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Using a Damper Winding in DC Motors  
Having a Printed Armature Winding,  
parts done by, R. R. Raid and A. P.  
Raid.

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No XI, pp 50-53.  
NLL 9022.03 1964 (3410) (On Loan)

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Controllable D.C. Drive With Controllable  
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CIA FDD XX-1338  
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12 Mar 63  
USIB INTERNAL USE ONLY

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Variations in the Voltage of Synchronous Generators  
With Different Excitation Systems When a Load  
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NLL Ref: 9022.03 1963 (3366) (Loan)

Sci  
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JPRS 18934

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MAY 63

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Increasing the Frequency of Alternating Current  
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Sci  
Feb 64

*NLL Ref: 9022.09 1964 (3397)  
(loan copy)*

Ranges of Economic Current Load for  
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NLL Ref: 9022.03 1964 (3386) (loan copy)

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Valeev, Kh. S. and Esikov, Yu. G.  
INSULATOR DISCHARGE VOLTAGE AT HIGH RELATIVE HUMIDITY A. A. Osipovich, tr. [1963] [10p]  
6 refs  
Order from OTS, SLA, or ETC \$1.10 TT-64-13112

Trans. of Elektrichestvo (USSR) 1963, no. 4, p. 86-88.

DESCRIPTORS: Humidity, \*Electric potential, Electric discharges, \*Electric insulation.

TT-64-13112

- I. Valeev, Kh. S.
- II. Esikov, Yu. G.
- III. Bonneville Power Administration, Portland, Ore.

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CALCULATION OF DISTRIBUTING NETWORKS WITH THE AID  
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12 PP,

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JPRS 19794

SCI - ELEC

JUN 63

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Measurement of Mean Temperature of Windings  
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Yu. V. Frakman, V. L. Shargorodskiy.  
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Sci  
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R-4585-D

Problem of Long-Range Transmission of Electric  
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\*JPRS/Interior

~~SIX~~  
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MIPR AS-101, 6614(a)

R-6245-D  
18 Nov 65

Are Travel in the Annular Clearance of Sparkgaps in  
Magnetic Rotations Are Arresters

By: A. I. Brudman

From: ELEKTRICHESVO 8(1963):56-62

( 7 pp)

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Standard Properties of Seignette Electric Crystals  
With Rectangular Loop of Dielectric Hysteresis,  
by I. S. Zheludev, D. A. Tambovtsev, 11 pp.  
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Basic Concepts in Determining the Stability of Power Systems,  
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JPRS 22631

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Jan 64

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An Experimental Induction Pump for Liquid Cast  
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JPRS 23654

JPRS 23704

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